

Product
Portfolio

Rapid Site Solution

Build your site in just 8 days

Rapid Site Solution is the unique turn-key solution for rolling out microwave sites in as few as eight days. It requires the least man hours to erect the tower, least effort and least construction material. Fast, robust and green, it meets the ever-increasing demand for cost-efficiency and quick return on investment.

Fastest Site Assembly on the Market

Rapid Site Solution is the fastest site assembly available in the market today. A true masterpiece of engineering design, it allows operators to set up a new site in phenomenally short amount of time.

Solid and Robust

Based on compact, robust construction and top grade components, Rapid Site withstands heavy loads and is wind- and dust-resistant. Primarily intended for operation in deserts and other dry areas, Rapid Site performs outstandingly well under all weather/climate conditions.

Cost Wise and Planet Friendly

With Ceragon, building your site becomes a 1-2-3 task. No water, no re-bars, no concrete - experience the simplified logistics and minimal use of natural resources. Rapid Site Solution is the safe bet in the pursuit for time and cost savings leading to fast revenue generation.

Rapid Site:

- **Quickest possible time-to-market**
- **Minimized manpower and logistics**
- **No water or concrete required**
- **Hybrid solar-wind-diesel power options**
- **Portable and reusable**
- **Fast disaster recovery**
- **Quick ROI**



The Fastest Way from Investment to Revenue

Traditional Sites

Building a traditional site is a very resource-demanding and time-consuming task. It may take more than four weeks to build a concrete foundation before the tower itself can be erected. More than hundred cubic meters of ground shall be excavated, tons of sand, cement and water shall be transported to the remote location. Additional concrete foundations for shelters, power station and fencing also need to be built.

The civil work teams need to repeatedly visit sites to remove shuttering and maintain proper humidity levels for the concrete. This leads to higher manpower costs and significant increase in project implementation time.

Rapid Site Solution

Rapid Site eliminates all these time- and labour-consuming tasks. Combining state-of-the-art design and superior quality, it streamlines installation and maximizes return on investment. It is the ultimate solution for network carriers challenged with the task of quick and cost-effective network rollouts.

Labour workers, supervisors, a crane and 8 working days - this is all that is required to build a new site, provided that prior site survey and ground area preparation has been completed.

Ordinary Site vs Rapid Site - for a 60m tower

Parameters	Ordinary Site	Rapid Site
Twist & Sway at wind speed 36 m/s	< 0.7 °	< 0.7 °
Antenna load	16 m ²	16 m ²
Tower Steel Grade	High (S355)	Very high(S500N)
Tower Weight	19 ton	7.5 ton
Foundations excavation	135 m ³	4 m ³ (soil anchors)
Foundation type	Concrete	Steel
Tower Foundation Shuttering	Yes	No
Water (local)	Yes	No
Concrete - Tower & Site Foundation (local material)	38 m ³ , 87 ton	None
Re-bars steel – Tower & Site (local)	3850 kg	None
Construction work, tower and site build	6 weeks	2 weeks
Site Area	200 m ²	100 m ²





The Art and the Elegance of Less

We love our work. We have the passion for creating exquisite engineering solutions. We have designed the Rapid Site to use less and yield more. Much more than one could ever expect from a site. Get the benefit of the technology to serve your business.

The Tower

Using the highest grade S500 steel, the tower is superior in quality and strength compared to standard towers. This allows building up to 60 m self-supporting tower that can withstand severe weather conditions. This extremely lightweight tower is easily transported in a single 20 ft freight container.

The Construction

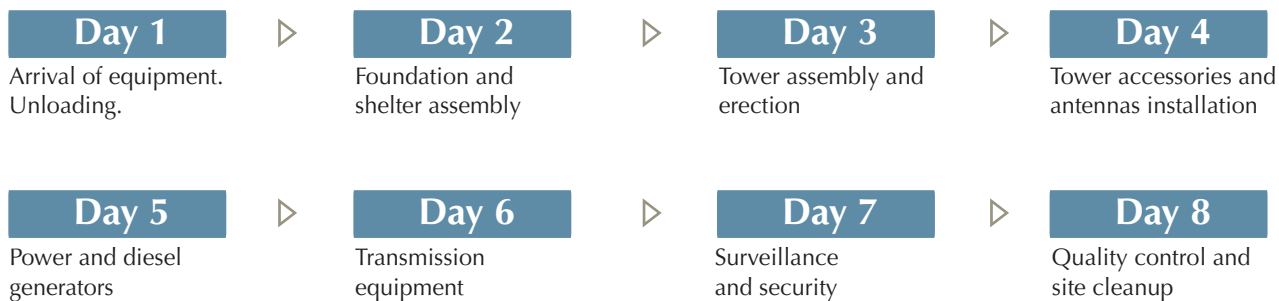
The tower and the entire site construction are placed on an all-steel foundation. The foundation itself is placed directly on the ground - no excavation, no heavy machinery is required. The entire construction is highly robust and is designed to withstand heavy loads and strong winds.

The Power

Rapid Site is solar and wind friendly. It may be setup to consume publicly available commercial power where it is available. Or it can run on its own, getting power from its solar panels, wind turbine or diesel generators.

Build Your Site in 8 days

A typical 8 day installation comprises a 30 metre tower, a foundation and diesel generators used as power source.



One Journey to Build a Site

Complete Rapid Site Solution is delivered in two 20ft freight containers and two 20 ft equipment containers which are directly transported to the site. This significantly reduces the number of journeys required to get all the equipment to the site, which can often be hundreds of kilometers inland.

How?

All four containers and the steel frame are then used for building the foundation of the Rapid Site. The freight containers are loaded with locally provided ballast material, such as sand, stones or gravel.

The equipment container is used for transmission equipment and DC power system. Diesel generators, power controllers and diesel tank are placed into the other equipment container.

After the erection of tower, installation of antenna, tower accessories, surveillance equipment and, then, final quality check, the site becomes ready for deployment.



Key benefits:

Carriers - Quick Time to Market

Carriers are constantly seeking for ways to reduce their costs and minimise the time to market. Rapid Site offers both - short installation time and substantially reduced installation costs.

Designed for Dry Areas

Rapid Site was designed for locations with minimal or no water for construction. No need to use water to build concrete foundation, not need to depend on long concrete curing times - with Rapid Site you can erect the tower and start radio transmission almost immediately.

Minimized Property Investment

With its small footprint and compact design, Rapid Site is an ideal solution for high density areas. Rapid Site requires minimum land thus decreasing property investment costs.

Plug and Play

All telecom equipment and power equipment can come pre-installed. This enables installation teams to simply plug and play the equipment.

Easy to relocate

The unique ability to relocate and re-use the Rapid Site makes it a perfect solution for customers that require high quality radio links that can be moved along with their needs. By reusing existing containers for transporting the equipment, Rapid Site can be easily de-installed and relocated.

Disaster Recovery

Communication is mission critical when it comes to disaster recovery. The Earth is changing, more and more areas are becoming exposed to tornados, floods, fires or landslides.

What can a carrier do when "his" area is severely hit? Rebuild the sites, recover communication links. Do more for the people.

Ceragon Comprehensive Network Offering:



Product
Portfolio



Network
Management



Professional
Services



Strategic
Partnerships

www.ceragon.com